Bruhat Bengaluru Mahanagara Palike

Project Division, Yelhanka Zone

Name Of work : -The work of Development of Parks and construction of Toilets at A Sector Parks in Ward No 04 Yalahanka New Town.

Name of Agency :- Sri.k.Gopireddy

Bill No :- 1st and Final bill

Pre Measurment

Sl. No.	Description of Item	sides	No.	L	B1	B2	Avg width	Depth	Qty.	Remarks/ Units
78	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - - 1200mm dia for RWH									
	1200mm dia		8				4.00		32.00	
							Total Quantity		**32.00**	**m**
79	Filter media stone aggregate 60mm &down size with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work									
	For RWH		8	1.13				1.20	10.85	
							Total Quantity		**10.85**	**cum**
80	Crushed stone aggregate 13.2mm to 10mm with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work									
			8	1.13				1.20	10.85	
							Total Quantity		**10.85**	**cum**
81	Sand/ Artificial Sand/ Manufactured Sand with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work									
			8	1.13				0.50	4.52	
							Total Quntity		**4.52**	**cum**
	Borewell									
84	Geophysical investigation of site for Sinking borewell for supplying drinking water to the habitations either through the hand pump,MWS,P.W.S.S by vertical electrical sounding by adpoting venner or Schlumberger's method,including reconnaissance survey of Geological formation. Geophysical investigation of existing ground indecundity its quality & acceptability of the users indicating the location of site,recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre inconsolidated formation for proper seating of casing pipe,depth of drilling required to cover full depth of aquifer proposed to be tapped,probable yield and other information required including transportation of instrument and accesories to work site,engaging technical personal and labour required etc.,(PRED SR 2012-13 It.9.4, P-47) (PRED SR 20-05-2019 It.13.04)									
	BW		1						1.00	
							Total Quantity		**1.00**	**Each**

Contractor

Consultants

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division

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Bruhat Bengaluru Mahanagara Palike

Project Division, Yelhanka Zone

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Bill No :- 1st and Final bill

Pre Measurment

Sl. No.	Description of Item	sides	No.	L	B1	B2	Avg width	Depth	Qty.	Remarks/ Units
85	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (PRED SR 20-05-2019 lt.13.01,(0 to 50 m)									
	0 to 50 m		1	50.00					50.00	
								Total Quantity	50.00	RMT
86	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (PRED SR 20-05-2019 lt.13.01,(0 to 50 m)									
	0 to 50 m		1	50.00					50.00	
								Total Quantity	50.00	RMT
87	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (PRED SR 20-05-2019 lt.13.01,(50 to 100 m)									
	50 to 100 m		1	50.00					50.00	
								Total Quantity	50.00	RMT
88	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (PRED SR 20-05-2019 lt.13.01,(100 to 150 m)									
	100 to 150 m		1	50.00					50.00	
								Total Quantity	50.00	RMT
89	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (PRED SR 20-05-2019 lt.13.01,(150 to 200 m)									
	150 to 200 m		1	50.00					50.00	
								Total Quantity	50.00	RMT

Contractor

Consultants

Assistant Engineer

Asst. Executive Engineer
Project Division

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Bruhat Bengaluru Mahanagara Palike

Project Division, Yelhanka Zone

Name Of work : -The work of Development of Parks and construction of Toilets at A Sector Parks in Ward No 04 Yalahanka New Town.

Name of Agency :- Sri.k.Gopireddy

Bill No :- 1st and Final bill

Pre Measurment

Sl. No.	Description of Item	sides	No.	L	B1	B2	Avg width	Depth	Qty.	Remarks/ Units
90	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (PRED SR 20-05-2019 It.13.01,(200 to 250 m)									50.00	
	200 to 250 m		1	50.00						
								Total Quantity	**50.00**	**RMT**
91	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (PRED SR 20-05-2019 It.13.01,(250 to300 m)									50.00	
	250 to300 m		1	50.00						
								Total Quantity	**50.00**	**RMT**
92	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (PRED SR 20-05-2019 It.13.01,(300 to352 m)									50.00	
	300 to352 m		1	50.00						
								Total Quantity	**50.00**	**RMT**
93	Providing and fixing 250mm dia PVC (casing pipe) (page no.XXXI, SL no.909) (KPWD SR 2016-17)									12.00	
			1	12.00						
								Total Quantity	**12.00**	**RMT**

Contractor

TEJUS CONSULTANTS Consultants

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer

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Project Division, Yelhanka Zone

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Name of Agency :- Sri.k.Gopireddy

Bill No :- 1st and Final bill

Pre Measurment

Sl. No.	Description of Item	sides	No.	L	B1	B2	Avg width	Depth	Qty.	Remarks/ Units
94	Supply of ISI Mark 175mm nominal Bore, Plain end steel casing Pipe-grade of steel Fee 4100 of wakk thickness 504mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel electric or basic oxygen process in fandom length of 5 to 7mtr. Both ends threaded confirming to Is554/1985 one end fixed with socket confirming to IS 270:2001 and other end with screwed pipes. All pipes shall be reasonably free from defectes. The tubes shall be resonably straigth should be with ISI Marking Weighting 25.10 kg/mtr (Inclusive of all taxes and durties) Prices include Collar - medium duty. (Page No.III,It no.84)PRED SR 2012-13.										
			1	30.00					30.00	
							Total Quantity		**30.00**	**RMT**
95	Providing 175mm Dia M.S. Collar (P.No.iii,I.No.86) PRED SR 2012-13									
			5						5.00	
							Total Quantity		**5.00**	**No's**
96	Providing 175mm dia Bore Cap CE (M) (P.No.iii,I.No.85) PRED SR 2012-13									
			1						1.00	
							Total Quantity		**1.00**	**No's**
97	Atalanta suguna CRI KIRLOSKAR and other equipments pumps 10.00 HP/7.5 KV (20 stage) (Pg No. XLI. Sl.no.29) KPWD SR-2018-19									
			1						1.00	
							Total Quantity		**1.00**	**No's**
98	Providing and fixing in trenches galvinised/mild steel tube 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for seperately) including cost of all materials, labour charges,HOM of equipment and testing complete as per specifications. Specification No. KBS 13.2.14/13.6 (page no.92/It no.13.15)KPWD SR 2018-19.									
	50mm dia pipe		5					6.10	30.50	RMT
			5					6.10	30.50	RMT
			5					6.10	30.50	RMT
			5					6.10	30.50	RMT
			5					6.10	30.50	RMT
			5					6.10	30.50	RMT
			5					6.10	30.50	RMT
			5					6.10	30.50	RMT
			5					6.10	30.50	RMT
							Total Quantity		**305.00**	**RMT**

Contractor

TEJUS CONSULTANTS Consultants

Assistant Engineer

Asst. Executive Engineer
Project Division

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Name of Agency :- Sri.k.Gopireddy

Bill No :- 1st and Final bill

Pre Measurment

Sl. No.	Description of Item	sides	No.	L	B1	B2	Avg width	Depth	Qty.	Remarks/ Units
99	Supplying and drawing 3 core flat PVC sheathed submersible pump cable maufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 to IS 8130-1984 and virgin grade PVC insulation and power coating extruded PVC sheathed suitable for working voltage upto 1100 volts with specified IS 694:1990 and confirming to the attwached GTP of group A 3CX4.0 sq.mm (PWD Ele SR 2014-15,P-12/It-2.10.3)							6.10	61.00	RMT
			10					6.10	61.00	RMT
			10					6.10	61.00	RMT
			10					6.10	61.00	RMT
			10					6.10	61.00	RMT
			10					6.10	61.00	RMT
			10					6.10	61.00	RMT
			10					6.10	61.00	RMT
			10					6.10	61.00	RMT
			10					6.10	61.00	RMT
			10					6.10	61.00	RMT
			10					7.00	14.00	RMT
			2				**Total Quantity**		**624.00**	**RMT**
100	Providing and fixing in position **50mm Nominal bore non-return valve** vertical type of approved make including cost of all materials,labour and HOM of equipment with all leads complete as per specifications.(PWD SR 18-19,P-95/It no.13.62)								1.00	
			1				**Total Quantity**		**1.00**	**No's**
101	Spplying and fixing **50mm GI Union**.(PWD SR 2016-17,P-XXXIX)								1.00	
			1				**Total Quantity**		**1.00**	**No's**
102	Spplying and fixing **50mm GI Elbow**.(PWD SR 2016-17,P-XXXIX)								1.00	
			1				**Total Quantity**		**1.00**	**No's**
103	Spplying and fixing **50mm GI Nipple**.(PWD SR 2016-17,P-XXXIX)								1.00	
			1				**Total Quantity**		**1.00**	**No's**
104	Spplying and fixing **50mm GI Hose colleres**(PWD SR 2016-17,P-XXXIX)								50.00	
			50				**Total Quantity**		**50.00**	**No's**
105	Supplying and fixing 20" x 20" x 2.5" polished **wood board** made of not less than 15mm thick plank on both the sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., P.no.44 / I no. 6.6.6 KPWD ELE SR 2014-15								1.00	
			1				**Total Quantity**		**1.00**	**No's**

Contractor

Consultants

Assistant Engineer

Asst. Executive Engineer
Project Division

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Project Division, Yelhanka Zone

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Name of Agency :- Sri.k.Gopireddy

Bill No :- 1st and Final bill

Pre Measurment

Sl. No.	Description of Item	sides	No.	L	B1	B2	Avg width	Depth	Qty.	Remarks/ Units
106	Supplying and fixing miniature circuit breakers on existing MCB distribution board using necessary fixing materials and 'C' type curve indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.(PWD Ele SR 2014-15,P-47/Sl no.6.16.6) 40-63 Amps									
			1						1.00	
							Total Quantity		**1.00**	**No's**
107	Supplying of TPST with rewirable porcelain channels in SM encloser made out of 14 SWG powder coated point of approved colour 32 amps (PWD Ele SR 2014-15,P-44,It-6.5.1)									
			1						1.00	
							Total Quantity		**1.00**	**No's**
108	Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 HZ 12/24 V DC(PWD Ele SR 2014-15,p-48,Sl no.6.36)									
			1						1.00	
							Total Quantity		**1.00**	**No's**
109	Suppling fully automatic star delta starter unit push button type with suitable wires 2 conductors and adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts phase and wired after fixing to the existing wooden board for motor. upto 12.5HP(PWD Ele SR 2014-15,p-44,Sl no.-6.2.1)									
			1						1.00	
							Total Quantity		**1.00**	**No's**
110	Supplying and fixing single phase preventer using necessary wires over an existing panel board suitable for motar up to 20 HP capacities.(PWD Ele SR 2014-15,p-44/Sl no.6.3)									
			1						1.00	
							Total Quantity		**1.00**	**No's**
111	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade multistrand copper conductor single core wire in open or concealed system of wiring as per IS 694:1990 & conforming to the attached GTP of group A. 4 sqmm (PWD Ele SR 2014-15,p-6,It-2.5.4(d)									
			1					20.00	20.00	
							Total Quantity		**20.00**	**mts**
112	Supplying fixing and wiring heavy duty low voltage capacitors conforming to IS 2834 phase 400/440 volts grade, for power factor improvement of rotating machinery.(PWD Ele SR 2014-15,p-48/Sl no.6.35)									
			1					4.00	4.00	
							Total Quantity		**4.00**	**No's**

Contractor

Consultants

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone

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Project Division, Yelhanka Zone

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Pre Measurment

Sl. No.	Description of Item	sides	No.	L	B1	B2	Avg width	Depth	Qty.	Remarks/ Units
113	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cotouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia (PWD Ele SR 2014-15,p-55,Sl no.7.1)									
			1					1.00	1.00	
							Total Quantity		**1.00**	**No's**
114	Digging of trench of 0.36mtrs deepx0.5 mtrs wide refilling the trench to the required gorund level and consolidating etc., complete (PWD Ele SR 2014-15,p-62,It-7.9.2) hard soil									
			1					8.00	8.00	
							Total Quantity		**8.00**	**mts**
115	Supplying laying 1.1 KV class LT UG cable having aluminium conductor PVC insulated extruded inner shethed galvanised steel strip (excep 2cx 10 sqmm wire armoured) confirming to IS-3975:1990 (No. of strip indicated in GTP) and extruded PVC outer sheathed armoured cable with specified IS-1554,part-1:1988 and confirming to the attached GTP of group A 4 core 16 sq mm PWD Ele SR 2014-15,p-55,It-									
			1					10.00	10.00	
							Total Quantity		**10.00**	**mts**
116	Labour charge for laying 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe/ on wall / on poles as required in existing trench/duct. 6 sq mm to 16 sq mm(PWD Ele SR 2014-15,p-61,It-7.8.1)									
			25					25.00	25.00	
							Total Quantity		**25.00**	**No's**
117	Supplying and fixing class-A(medium duty) GI pipe wall thickness not less then 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1KV class 40mm(PWD Ele SR 2014-15,p-62,It-7.12.1)									
			2.00					2.00	2.00	
							Total Quantity		**2.00**	**mts**
118	Supplying and fixing LT cast iron pot heads suitable for 1.1KV class UG cable filled with necessary bitumen / insulating compound complete with terminals,clamps bolts and nuts and washer etc.,complete for 16 sq mm as per specifications.(PWD Ele SR 2014-15,p-62,It-7.13.2)									
			1					1.00	1.00	
							Total Quantity		**1.00**	**No's**

Contractor

Consultants

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division

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Project Division, Yelhanka Zone

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Name of Agency :- Sri.k.Gopireddy

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Pre Measurment

Sl. No.	Description of Item	sides	No.	L	B1	B2	Avg width	Depth	Qty.	Remarks/ Units
121	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5 (KPWD SR 2018-19, P-6, It-2.4)									
	MAIN LINE		1.00	30.00	0.60			0.60	10.80	
			1.00	30.00	0.60			0.60	10.80	
			1.00	25.00	0.60			0.60	9.00	
			1.00	30.00	0.60			0.60	10.80	
	Road 1		1.00	30.00	0.60			0.60	10.80	
			1.00	30.00	0.60			0.60	10.80	
			1.00	26.00	0.60			0.60	9.36	
							Total Quantity		**72.36**	**CUM**
122	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (external work) - 50mm nominal OD pipes (KPWD SR 2018-19, P-99, It-13.87.6)									
	MAIN LINE		1.00	30.00					30.00	
			1.00	30.00					30.00	
			1.00	25.00					25.00	
	Road 1		1.00	30.00					30.00	
			1.00	30.00					30.00	
			1.00	30.00					30.00	
			1.00	26.00					26.00	
							Total Quantity		**201.00**	**m**
123	Making connection of G.I.distribution branch with G.I.main of 25mm to 40mm. Nominal bore, including cutting and threading the pipes,providing and fixing Tee, nuts,labour for all item of works,testing and HOM of equipments complete as per specifications. (P.No.93/ I.No. 13.20 of KPWD SR 2018-19)									
	distrubution line		1.00	10.00					10.00	
	Road 1		1.00	10.00					10.00	
							Total Quantity		**20.00**	**Each**
124	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work). - 20mm nominal OD pipes (KPWD SR 2018-19, P-98, It-13.85.2)									
	distrubution line		20.00	10.00					200.00	
	top conection		20.00	1.00					20.00	
							Total Quantity		**220.00**	**m**

Contractor

Consultants

Assistant Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone

Assistant Executive Engineer

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Name of Agency :- Sri.k.Gopireddy

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Pre Measurment

Sl. No.	Description of Item	sides	No.	L	B1	B2	Avg width	Depth	Qty.	Remarks/ Units
125	Providing and fixing to wall, ceiling and floor Medium density polyethylene pipes 6.00 kgf/sq.cm working pressure 25mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 (KPWD SR 2018-19, P-95, It-13.67)									
			1.00	100.00					100.00	
							Total Quantity		100.00	m
126	KSRB 2-4 : Refilling available around earth pipe lines,cables in layers mot exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. And lift upto 1.5m. Including cost of all labour complete as per specifications.(KPWD SR 2018-19, P-7, it-2.11)									
				37.80					37.80	
							Total Quantity		37.80	cum
127	Loading and unloading of stone boulder/stone aggregates/sand/kanker/ moorum. KSRRB M100-1:Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (KPWD SR 2018-19,P-136, it.17.1)									
	quantity arrived item no 22 & 23,30%of the boq qty '		52.20						52.2	
							Total Quantity		52.20	cum
130	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.3 of KPWD SR 2018-19)									
	MAIN LINE		1	85.00			0.45	0.15	5.74	
	Road 1		1	116.00			0.45	0.15	7.83	
	distrubution									
			20	10.00			0.45	0.15	13.50	
							Total Quantity		27.07	Cum

Contractor

Consultants

Assistant Engineer

Asst. Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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